



*Rev 09*

## RAW SEQUENCE LISTING

DATE: 03/21/2002

PATENT APPLICATION: US/09/831,744

TIME: 18:35:51

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03212002\I831744.raw

3 <110> APPLICANT: Analytica Ltd  
 5 <120> TITLE OF INVENTION: PHOSPHOLIPASE INHIBITORS FOR THE TREATMENT OF CANCER  
 7 <130> FILE REFERENCE: 2404732/EJH  
 9 <140> CURRENT APPLICATION NUMBER: US 09/831,744  
 C--> 10 <141> CURRENT FILING DATE: 2002-01-25  
 12 <150> PRIOR APPLICATION NUMBER: US 60/108,254  
 13 <151> PRIOR FILING DATE: 1998-11-12  
 15 <160> NUMBER OF SEQ ID NOS: 45  
 17 <170> SOFTWARE: PatentIn version 3.0  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 202  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Notothenchia scutatus  
 24 <400> SEQUENCE: 1  
 25 Met Lys Ser Leu Gln Ile Ile Cys Leu Leu Phe Val Leu Val Ala Arg  
 26 1 5 10 15  
 28 Gly Ser Cys His Ser Cys Glu Ile Cys His Asn Leu Gly Arg Asp Cys  
 29 20 25 30  
 31 Glu Thr Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly  
 32 35 40 45  
 34 Thr Val Leu Met Glu Val Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile  
 35 50 55 60  
 37 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu Arg Phe Asp  
 38 65 70 75 80  
 40 Ile Asn Ile Gly His Asp Ser Tyr Leu Arg Gly Arg Ile His Cys Cys  
 41 85 90 95  
 43 Asp Glu Ala Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser  
 44 100 105 110  
 46 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Val Phe Ser Val  
 47 115 120 125  
 49 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys  
 50 130 135 140  
 52 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Phe Pro Gly Asp Ile Ala  
 53 145 150 155 160  
 55 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Arg Leu Ser  
 56 165 170 175  
 58 Asn Arg Thr His Glu Glu Asp Arg Asn Gly Leu Ile Lys Val Glu Cys  
 59 180 185 190  
 61 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu  
 62 195 200  
 64 <210> SEQ ID NO: 2  
 65 <211> LENGTH: 202  
 66 <212> TYPE: PRT

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67 &lt;213&gt; ORGANISM: Oxyuranus scutellatus

69 &lt;400&gt; SEQUENCE: 2

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70 Met Ile Ser Leu Gln Ile Ile Cys Phe Leu Phe Val Leu Val Ala Arg
71 1 5 10 15
73 Gly Ser Cys His Ser Cys Glu Ile Cys Arg Asn Phe Gly Lys Asp Cys
74 20 25 30
76 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
77 35 40 45
79 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
80 50 55 60
82 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp
83 65 70 75 80
85 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys
86 85 90 95
88 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Pro Ser
89 100 105 110
91 Leu Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val
92 115 120 125
94 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
95 130 135 140
97 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala
98 145 150 155 160
100 Tyr Asn Ile Thr Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser
101 165 170 175
103 Asn Arg Thr His Ala Glu Arg Arg Asn Ala Leu Ile Thr Leu Asp Cys
104 180 185 190
106 Thr Asp Ala Ser Lys Ile Ala Pro Ser Glu
107 195 200

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109 &lt;210&gt; SEQ ID NO: 3

110 &lt;211&gt; LENGTH: 609

111 &lt;212&gt; TYPE: DNA

112 &lt;213&gt; ORGANISM: Oxyuranus microlepidotus

114 &lt;220&gt; FEATURE:

115 &lt;221&gt; NAME/KEY: CDS

116 &lt;222&gt; LOCATION: (1)..(606)

118 &lt;400&gt; SEQUENCE: 3

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119 atg aaa tcc cta cag atc atc tgt cct ctt ttc gtt ttg gta gcc aga      48
120 Met Lys Ser Leu Gln Ile Ile Cys Pro Leu Phe Val Leu Val Ala Arg
121 1 5 10 15
123 gga agc tgt cgc tca tgt gaa att tgt cac aat ttt gga aaa gat tgc      96
124 Gly Ser Cys Arg Ser Cys Glu Ile Cys His Asn Phe Gly Lys Asp Cys
125 20 25 30
127 gag agt gag gag gca gag gaa tgt gcc tct cca gaa gat caa tgt ggc      144
128 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
129 35 40 45
131 aca gtg ttg ctg gag att tca tca gca cct att tcc ttc cga tcc att      192
132 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
133 50 55 60
135 cat agg aac tgt ttc tca tcc agc ctc tgc aaa ctt gaa cac ttt gat      240

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Input Set : A:\PTO.AMC.txt

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136 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp
137 65 70 75 80
139 ata aat att gga cat gat tcc tat gtg aga gga aga atc cac tgt tgt 288
140 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys
141 85 90 95
143 gat gaa gaa agg tgt gaa gca cag caa ttt cct gga ctg ccc ctc tcc 336
144 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser
145 100 105 110
147 ttt cca aat gga tac cac tgc cct ggc att ctt ggt gca ttc tca gtg 384
148 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val
149 115 120 125
151 gac agc tct gaa cat gaa gct att tgc aga gga acc gaa acc aaa tgc 432
152 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
153 130 135 140
155 att aac ctt gcg gga ttc aga aaa gaa aga tat cct gta gac atc gct 480
157 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala
158 145 150 155 160
160 tat aat atc aaa ggt tgc act tct tct tgt cca gaa ctg aag ttg agc 528
161 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser
162 165 170 175
164 aat aga act cac gaa gaa cgt aga aat gat cta ata aca ctt gaa tgt 576
165 Asn Arg Thr His Glu Glu Arg Arg Asn Asp Leu Ile Thr Leu Glu Cys
166 180 185 190
168 aca gat gcc tcc aaa att aca cct tcc gaa taa 609
169 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu
170 195 200
172 <210> SEQ ID NO: 4
173 <211> LENGTH: 202
174 <212> TYPE: PRT
175 <213> ORGANISM: Oxyuranus microlepidotus
177 <400> SEQUENCE: 4
178 Met Lys Ser Leu Gln Ile Ile Cys Pro Leu Phe Val Leu Val Ala Arg
179 1 5 10 15
181 Gly Ser Cys Arg Ser Cys Glu Ile Cys His Asn Phe Gly Lys Asp Cys
182 20 25 30
184 Glu Ser Glu Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
185 35 40 45
187 Thr Val Leu Leu Glu Ile Ser Ser Ala Pro Ile Ser Phe Arg Ser Ile
188 50 55 60
190 His Arg Asn Cys Phe Ser Ser Ser Leu Cys Lys Leu Glu His Phe Asp
191 65 70 75 80
193 Ile Asn Ile Gly His Asp Ser Tyr Val Arg Gly Arg Ile His Cys Cys
194 85 90 95
196 Asp Glu Glu Arg Cys Glu Ala Gln Gln Phe Pro Gly Leu Pro Leu Ser
197 100 105 110
199 Phe Pro Asn Gly Tyr His Cys Pro Gly Ile Leu Gly Ala Phe Ser Val
200 115 120 125
202 Asp Ser Ser Glu His Glu Ala Ile Cys Arg Gly Thr Glu Thr Lys Cys
203 130 135 140

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/831,744

DATE: 03/21/2002  
 TIME: 18:35:51

Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF3\03212002\I831744.raw

205 Ile Asn Leu Ala Gly Phe Arg Lys Glu Arg Tyr Pro Val Asp Ile Ala  
 206 145 150 155 160  
 208 Tyr Asn Ile Lys Gly Cys Thr Ser Ser Cys Pro Glu Leu Lys Leu Ser  
 209 165 170 175  
 211 Asn Arg Thr His Glu Glu Arg Arg Asn Asp Leu Ile Thr Leu Glu Cys  
 212 180 185 190  
 214 Thr Asp Ala Ser Lys Ile Thr Pro Ser Glu  
 215 195 200  
 217 <210> SEQ ID NO: 5  
 218 <211> LENGTH: 28  
 219 <212> TYPE: PRT  
 220 <213> ORGANISM: Notechis scutatus  
 222 <220> FEATURE:  
 223 <221> NAME/KEY: misc\_feature  
 224 <222> LOCATION: (16)..(16)  
 225 <223> OTHER INFORMATION: X = any amino acid  
 227 <400> SEQUENCE: 5  
 228 Leu Glu Cys Glu Ile Cys Ile Gly Leu Gly Leu Glu Cys Asn Thr Xaa  
 229 1 5 10 15  
 231 Thr Lys Thr Cys Asp Ala Asn Gln Asp Thr Cys Val  
 232 20 25  
 234 <210> SEQ ID NO: 6  
 235 <211> LENGTH: 14  
 236 <212> TYPE: PRT  
 237 <213> ORGANISM: Notechis scutatus  
 239 <400> SEQUENCE: 6  
 240 Leu Glu Cys Glu Ile Cys Ile Gly Leu Gly Leu Glu Cys Asn  
 241 1 5 10  
 243 <210> SEQ ID NO: 7  
 244 <211> LENGTH: 5  
 245 <212> TYPE: PRT  
 246 <213> ORGANISM: Notechis scutatus  
 248 <400> SEQUENCE: 7  
 249 Ala Leu Ser Tyr Lys  
 250 1 5  
 252 <210> SEQ ID NO: 8  
 253 <211> LENGTH: 19  
 254 <212> TYPE: PRT  
 255 <213> ORGANISM: Notechis scutatus  
 257 <400> SEQUENCE: 8  
 258 Ser Cys Gly Thr Ser Asp Thr Cys His Leu Asn Tyr Val Glu Thr Thr  
 259 1 5 10 15  
 261 Pro His Asn  
 263 <210> SEQ ID NO: 9  
 264 <211> LENGTH: 18  
 265 <212> TYPE: PRT  
 266 <213> ORGANISM: Notechis scutatus  
 268 <400> SEQUENCE: 9  
 269 Thr Cys Asp Ala Asn Gln Asp Thr Cys Val Thr Phe Gln Thr Glu Val

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,744

DATE: 03/21/2002

TIME: 18:35:51

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03212002\I831744.raw

```

270 1          5          10          15
272 Ile Arg
274 <210> SEQ ID NO: 10
275 <211> LENGTH: 8
276 <212> TYPE: PRT
277 <213> ORGANISM: Notechis scutatus
279 <400> SEQUENCE: 10
280 Ala Pro Val Thr Leu Gly Leu Ile
281 1          5
283 <210> SEQ ID NO: 11
284 <211> LENGTH: 10
285 <212> TYPE: PRT
286 <213> ORGANISM: Notechis scutatus
288 <400> SEQUENCE: 11
289 Glu Cys Thr Glu His Leu Val Ser Cys Arg
290 1          5          10
292 <210> SEQ ID NO: 12
293 <211> LENGTH: 13
294 <212> TYPE: PRT
295 <213> ORGANISM: Notechis scutatus
297 <400> SEQUENCE: 12
298 Phe Trp Asn Val Leu Glu Asp Val Glu Val Asp Phe Lys
299 1          5          10
301 <210> SEQ ID NO: 13
302 <211> LENGTH: 29
303 <212> TYPE: PRT
304 <213> ORGANISM: Notechis ater
306 <400> SEQUENCE: 13
307 His Ser Cys Glu Ile Cys His Asn Phe Gly Arg Asp Cys Gln Ser Asp
308 1          5          10          15
310 Glu Ala Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
311          20          25
313 <210> SEQ ID NO: 14
314 <211> LENGTH: 29
315 <212> TYPE: PRT
316 <213> ORGANISM: Notechis ater
318 <400> SEQUENCE: 14
319 His Ser Cys Glu Ile Cys His Asn Leu Gly Lys Asp Cys Glu Thr Glu
320 1          5          10          15
322 Glu Thr Glu Glu Cys Ala Ser Pro Glu Asp Gln Cys Gly
323          20          25
325 <210> SEQ ID NO: 15
326 <211> LENGTH: 5
327 <212> TYPE: PRT
328 <213> ORGANISM: Notechis ater
330 <400> SEQUENCE: 15
331 Ile Thr Pro Ser Glu
332 1          5
334 <210> SEQ ID NO: 16

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*Pu/09*

## RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/09/831,744

TIME: 15:12:52

Input Set : A:\13030.SEQ.txt

Output Set: N:\CRF3\03132002\I831744.raw

**Does Not Comply  
Corrected Diskette Needed**

3 <110> APPLICANT: Analytica Ltd  
 5 <120> TITLE OF INVENTION: PHOSPHOLIPASE INHIBITORS FOR THE TREATMENT OF CANCER  
 7 <130> FILE REFERENCE: 2404732/EJH  
 9 <140> CURRENT APPLICATION NUMBER: US 09/831,744  
 ©→ 10 <141> CURRENT FILING DATE: 2002-01-25  
 12 <150> PRIOR APPLICATION NUMBER: US 60/108,254  
 13 <151> PRIOR FILING DATE: 1998-11-12  
 15 <160> NUMBER OF SEQ ID NOS: 45  
 17 <170> SOFTWARE: PatentIn version 3.0

## ERRORED SEQUENCES

775 <210> SEQ ID NO: 45  
 776 <211> LENGTH: 57  
 777 <212> TYPE: DNA  
 778 <213> ORGANISM: Notechis ater  
 781 <400> SEQUENCE: 45  
 782 atgaaatccc tacagatcat ctgtcttctt ttcgttttgg tagccagagg aagctgt 57  
 E--> 794 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,744

DATE: 03/13/2002

TIME: 15:12:53

Input Set : A:\13030.SEQ.txt

Output Set: N:\CRF3\03132002\I831744.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:794 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:57 SEQ:45

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/831,74

CRF Processing Date: 3/21/2002  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was wrapped down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_